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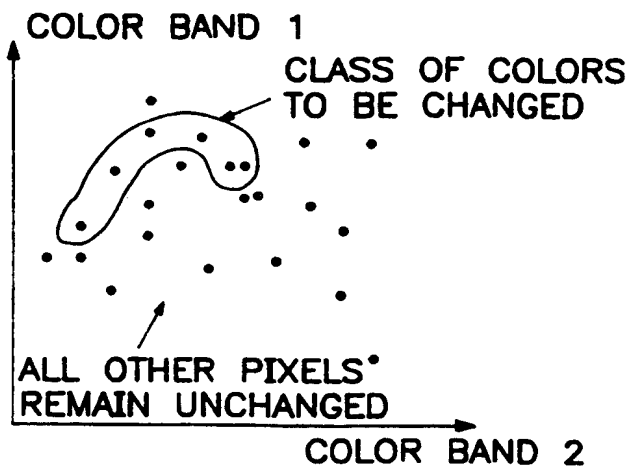
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**(54) Non-linear color corrector and method thereof**

(57) A color corrector for changing pixels in an image where the color corrector includes a neural fuzzy classifier to generate a membership value which defines a degree of membership of each pixel in a group of pixels to be transformed. A pixel color changer is also pro-

vided to transform the pixel according to its membership in the group of pixels to be changed. The color corrector can also include a pixel group classifier for identifying groups of pixels in the image to train the neural fuzzy classifier to generate the membership value.

**FIG. 1**  
**PRIOR ART**



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# EUROPEAN SEARCH REPORT

Application Number  
EP 95 12 0188

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	PATENT ABSTRACTS OF JAPAN vol. 18, no. 60 (E-1499), 31 January 1994 & JP-A-05 276371 (SANYO), 22 October 1993, * abstract *	1,6,11	H04N9/64
X	IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, vol. 40, no. 4, November 1994, NEW YORK US, pages 938-943, XP000495834 SID-AHMED: "selective color tone adjustment for advanced television systems" * the whole document *	1,6,11	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H04N
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 May 1996	Examiner Yvonnet, J
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background U : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application I : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			

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